

Claims

[c1] 1. A book device that can read aloud sentences in one or more languages, comprising:
a book with a cover and pages that include pictures; and
a speech circuit that reads aloud information about the pictures in the book, the speech circuit including:
a printed circuit board containing speech switches, the printed circuit board being inside the cover of the book;
a speaker;
a battery connected to power the printed circuit board and speaker; and
a circuit for storage and sound emission connected to the printed circuit board, speaker and battery, wherein the circuit for storage and sound emission, speaker and battery are in a box-like container outside the book, and the circuit for storage and sound emission stores recorded sounds of the book, such that in response to a user pressing a picture on a selected page, a corresponding one of the speech switches will be switched on, which causes the circuit for storage and sound emission to cause the speaker to read aloud specified contents about the pressed picture.

[c2] 2. A book device according to claim 1, wherein the printed circuit board includes a plurality of press trigger switches and each page of the book includes a respective page selection contact corresponding in position to a respective one of the press trigger switches for page selection, wherein in response to a user turning to a certain page, pressing its page selection contact to turn on the corresponding press trigger switch, and then pressing a picture on the certain page to turn on the corresponding speech switch, the speech circuit cause the speaker to reads aloud words corresponding to the pressed picture on the certain page.

[c3] 3. A book device according to claim 2, wherein the printed circuit board includes a substrate made of a durable soft film and containing the press triggers.

[c4] 4. A book device according to claim 2 wherein the page selection contacts are placed on a margin of every page and the location of each page selection contact on each page is different from the locations of other page selection contacts for other pages.

[c5] 5. A book device according to claim 1 wherein the circuit for storage and sound emission includes an IC block HE80320 or HE167340.

[c6] 6. A book device according to claim 1 wherein the cover of the book is a hard cover.

[c7] 7. A book device according to claim 1 wherein the box-like container has an appearance of a pencil box, a candy box, or a dressing case.

[c8] 8. A book according to claim 1 wherein the box-like container is connected to the book in a fixed manner.

[c9] 9. A book device according to claim 1 wherein the sentences that are being read aloud are in different voices and different tones depending on the page selected.

[c10] 10. A book device according to claim 1 wherein the speech circuit includes a stop contact on every page to avoid emitting sound that does not correspond with the pictures on the page.

[c11] 11. A book device according to claim 1, wherein the circuit for storage and sound emission stores sounds for each page in a plurality of languages that can be selected by a user.

[c12] 12. A book device that can read aloud sentences in one or more languages, comprising:
a book with a cover and pages that include pictures; and
a speech circuit that reads aloud information about the pictures in the book, the speech circuit including:
a printed circuit board containing press-sensitive speech switches and positioned within the book;
a speaker; and

a storage and sound emission circuit connected to the printed circuit board and speaker, wherein the storage and sound emission circuit stores recorded sounds of the book, such that in response to a user pressing a picture on a selected page, a corresponding one of the speech switches will be switched on, which causes the circuit for storage and sound emission to cause the speaker to read aloud specified contents about the pressed picture.